WEST

End of Result Set

☐ [Generate Collection]   [Print]

L3: Entry 6 of 6   File: DWPI   Jul 12, 1994

DERWENT-ACC-NO: 1994-260500
DERWENT-WEEK: 199432
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TITLE: Novel antitumour and immuno-suppressive di:hydro-vernodalin - extracted from Vernonia amygdalin

PATENT-ASSIGNEE: SNOW BRAND MILK PROD CO LTD (SNOW)

PRIORITY-DATA: 1992JP-0357979 (December 25, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 06192265 A	July 12, 1994		009	C07D493/04

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 06192265A	December 25, 1992	1992JP-0357979	

INT-CL (IPC): A61K 31/365; A61K 35/78; C07D 493/04

ABSTRACTED-PUB-NO: JP 06192265A
BASIC-ABSTRACT:

4,15-Dihydro vernodalin of formula (I) is new.

According to the method described in 'The Journal of Organic Chemistry, Vol. 34, 3908-3911, 1969, Kupchan et al, vernodalin was extd. from Vernonia amygdalina. 57.7 mg of the cpd. was dissolved in 2 ml methanol, cooled, treated with 2 mg of sodium borohydride and stirred gently for 8 min. After completion of reaction, the mixt. was treated with several drops of acetic acid to make the mixt. weakly acidic and filtered. The filtrate was concd. under reduced press., injected into an HPLC column packed with ODS and eluted with acetonitrile-water (30:70) at an elution rate of 3 ml/min. (I) was eluted after about 24 min. The eluate was recovered and concd. to obtain 7.5 mg of (I) as an oily prod.

USE/ADVANTAGE - (I) is useful as an antitumour and immunosuppressive agent. (I) in concns. of 1 mg/ml exhibited complete inhibition of the PFC number (number of plaques) and the amt. of IgM produced w.r.t. the response of producing T-cell-independent antibodies of LPS-stimulated mouse spleen cells. (I) may be administered as injections, tablets, capsules or granules.

ABSTRACTED-PUB-NO: JP 06192265A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B02
CPI-CODES: B06-A03; B14-G02; B14-H01B;

WEST Search History

DATE: Monday, May 12, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L4	vernoni$3 and amygdalin$2	6	L4
L3	vernoni$2 and amygdalin$2	6	L3
L2	L1 and (water or aqueous) and extract$5	19	L2
L1	(vernoni$2 same amygdalina or amygdalina)	26	L1

END OF SEARCH HISTORY

```
=> d his

        (FILE 'HOME' ENTERED AT 15:08:44 ON 12 MAY 2003)

        INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
        BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
        CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
        DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:08:56 ON
        12 MAY 2003
                  SEA VERONI### AMYGDALIN### AND (WATER OR AQUEOUS) AND EXTRACT##
                  ---------
                  2    FILE CAPLUS
                  1    FILE DRUGU
                  1    FILE IFIPAT
                  1    FILE USPATFULL
                  1    FILE VETU
    L1            QUE VERONI### AMYGDALIN### AND (WATER OR AQUEOUS) AND EXTRACT##
                  ---------


        FILE 'CAPLUS, DRUGU, VETU' ENTERED AT 15:10:56 ON 12 MAY 2003
    L2            4 S L1
    L3            4 DUP REM L2 (0 DUPLICATES REMOVED)

        FILE 'STNGUIDE' ENTERED AT 15:11:20 ON 12 MAY 2003

        INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
        BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
        CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
        DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:21:47 ON
        12 MAY 2003
                  SEA VERONIA AMYGDALINA (P) LEAF (P) EXTRACT#####
                  ---------
                  0*   FILE ADISNEWS
                  0*   FILE BIOCOMMERCE
                  0*   FILE BIOTECHABS
                  0*   FILE BIOTECHDS
                  0*   FILE BIOTECHNO
                  0*   FILE CEABA-VTB
                  0*   FILE CIN
                  0*   FILE ESBIOBASE
                  0*   FILE FEDRIP
                  0*   FILE FOMAD
                  0*   FILE FOREGE
                  0*   FILE FROSTI
                  1*   FILE FSTA
                  1    FILE IFIPAT
                  0*   FILE KOSMET
                  0*   FILE MEDICONF
                  0*   FILE NTIS
                  0*   FILE NUTRACEUT
                  0*   FILE PASCAL
                  0*   FILE PHARMAML
                  1    FILE USPATFULL
                  1    FILE VETU
    L4            QUE VERONIA AMYGDALINA (P) LEAF (P) EXTRACT#####
                  ---------
                  SEA VERONIA AMYGDALINA (P) EXTRACT#####
                  ---------
                  0*   FILE ADISNEWS
                  0*   FILE BIOCOMMERCE
                  0*   FILE BIOTECHABS
                  0*   FILE BIOTECHDS
                  0*   FILE BIOTECHNO
```

```
           1     FILE CAPLUS
           0*    FILE CEABA-VTB
           0*    FILE CIN
           1     FILE DRUGU
           0*    FILE ESBIOBASE
           0*    FILE FEDRIP
           0*    FILE FOMAD
           0*    FILE FOREGE
           0*    FILE FROSTI
           1*    FILE FSTA
           1     FILE IFIPAT
           0*    FILE KOSMET
           0*    FILE MEDICONF
           0*    FILE NTIS
           0*    FILE NUTRACEUT
           0*    FILE PASCAL
           0*    FILE PHARMAML
           1     FILE SCISEARCH
           1     FILE USPATFULL
           1     FILE VETU
L5             QUE VERONIA AMYGDALINA (P) EXTRACT#####
               ---------
               SEA VERONIA (5A)  AMYGDALINA
               ---------
           2     FILE AGRICOLA
           2     FILE BIOSIS
           1     FILE CABA
           4     FILE CAPLUS
           5     FILE DDFU
           5     FILE DRUGU
           2     FILE EMBASE
           1     FILE ESBIOBASE
           2     FILE FROSTI
           2     FILE FSTA
           1     FILE IFIPAT
           1     FILE LIFESCI
           1     FILE PASCAL
           2     FILE SCISEARCH
           1     FILE USPATFULL
           1     FILE VETU
L6             QUE VERONIA (5A) AMYGDALINA
               ---------
               SEA L6 AND (NEOPLAST### OR ANTI-NEOPLAST### OR CANCER OR TUMOR
               ---------
           1     FILE AGRICOLA
           1     FILE CABA
           1     FILE CAPLUS
           2     FILE DDFU
           3     FILE DRUGU
           1     FILE EMBASE
           1     FILE ESBIOBASE
           2     FILE FROSTI
           2     FILE FSTA
           1     FILE IFIPAT
           1     FILE SCISEARCH
           1     FILE USPATFULL
           1     FILE VETU
L7             QUE L6 AND (NEOPLAST### OR ANTI-NEOPLAST### OR CANCER OR TUMOR
               ---------


      FILE 'DRUGU, FROSTI, FSTA, AGRICOLA, CABA, CAPLUS, EMBASE, ESBIOBASE,
      SCISEARCH' ENTERED AT 15:28:54 ON 12 MAY 2003
L8             13 S L7
L9             13 DUP REM L8 (0 DUPLICATES REMOVED)
```

FILE 'HOME' ENTERED AT 15:08:44 ON 12 MAY 2003

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
      BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
      CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
      DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:08:56 ON 12 MAY 2003

66 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s veroni### amygdalin### and (water or aqueous) and extract####
            2   FILE CAPLUS
   20 FILES SEARCHED...
            1   FILE DRUGU
   38 FILES SEARCHED...
            1   FILE IFIPAT
   51 FILES SEARCHED...
            1   FILE USPATFULL
            1   FILE VETU
   65 FILES SEARCHED...

    5 FILES HAVE ONE OR MORE ANSWERS,   66 FILES SEARCHED IN STNINDEX

L1   QUE VERONI### AMYGDALIN### AND (WATER OR AQUEOUS) AND EXTRACT####

=> d rank
F1   2   CAPLUS
F2   1   DRUGU
F3   1   IFIPAT
F4   1   USPATFULL
F5   1   VETU

=> file f1-2 f5

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.65	1.86

FILE 'CAPLUS' ENTERED AT 15:10:56 ON 12 MAY 2003
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FILE 'VETU' ENTERED AT 15:10:56 ON 12 MAY 2003
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=> s l1

```
L2               4 L1

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3               4 DUP REM L2 (0 DUPLICATES REMOVED)
```

```
=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                               ENTRY       SESSION
FULL ESTIMATED COST                             1.02        19.61


DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE      TOTAL
                                               ENTRY       SESSION
CA SUBSCRIBER PRICE                             0.00        -1.30


INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
      BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
      CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
      DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:21:47 ON 12 MAY 2003


66 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.


=> s veronia amygdalina (p) leaf (p) extract#####
          0*   FILE ADISNEWS
          0*   FILE BIOCOMMERCE
          0*   FILE BIOTECHABS
          0*   FILE BIOTECHDS
          0*   FILE BIOTECHNO
          0*   FILE CEABA-VTB
          0*   FILE CIN
  25 FILES SEARCHED...
          0*   FILE ESBIOBASE
          0*   FILE FEDRIP
          0*   FILE FOMAD
          0*   FILE FOREGE
          0*   FILE FROSTI
          1*   FILE FSTA
          1    FILE IFIPAT
          0*   FILE KOSMET
          0*   FILE MEDICONF
          0*   FILE NTIS
          0*   FILE NUTRACEUT
          0*   FILE PASCAL
  53 FILES SEARCHED...
          0*   FILE PHARMAML
          1    FILE USPATFULL
          1    FILE VETU


   4 FILES HAVE ONE OR MORE ANSWERS,   66 FILES SEARCHED IN STNINDEX


L4   QUE VERONIA AMYGDALINA (P) LEAF (P) EXTRACT#####

=> s veronia amygdalina (p) extract#####
          0*   FILE ADISNEWS
          0*   FILE BIOCOMMERCE
          0*   FILE BIOTECHABS
          0*   FILE BIOTECHDS
          0*   FILE BIOTECHNO
          1    FILE CAPLUS
          0*   FILE CEABA-VTB
          0*   FILE CIN
          1    FILE DRUGU
          0*   FILE ESBIOBASE
          0*   FILE FEDRIP
          0*   FILE FOMAD
```

```
35 FILES SEARCHED...
          0*   FILE FOREGE
          0*   FILE FROSTI
          1*   FILE FSTA
          1    FILE IFIPAT
          0*   FILE KOSMET
          0*   FILE MEDICONF
          0*   FILE NTIS
          0*   FILE NUTRACEUT
          0*   FILE PASCAL
          0*   FILE PHARMAML
          1    FILE SCISEARCH
          1    FILE USPATFULL
          1    FILE VETU


   7 FILES HAVE ONE OR MORE ANSWERS,    66 FILES SEARCHED IN STNINDEX

L5   QUE VERONIA AMYGDALINA (P) EXTRACT#####

=> s veronia (5a)  amygdalina
          2    FILE AGRICOLA
          2    FILE BIOSIS
          1    FILE CABA
          4    FILE CAPLUS
          5    FILE DDFU
          5    FILE DRUGU
          2    FILE EMBASE
          1    FILE ESBIOBASE
          2    FILE FROSTI
          2    FILE FSTA
          1    FILE IFIPAT
          1    FILE LIFESCI
  50 FILES SEARCHED...
          1    FILE PASCAL
          2    FILE SCISEARCH
          1    FILE USPATFULL
          1    FILE VETU


  16 FILES HAVE ONE OR MORE ANSWERS,    66 FILES SEARCHED IN STNINDEX

L6   QUE VERONIA (5A) AMYGDALINA

=> s 16 and (neoplast### or anti-neoplast### or cancer or tumor or tumour or tumuor
or leukemia or lymphoma or proliferative or extract#### or leaf)
          1    FILE AGRICOLA
  12 FILES SEARCHED...
          1    FILE CABA
          1    FILE CAPLUS
  20 FILES SEARCHED...
          2    FILE DDFU
  25 FILES SEARCHED...
          3    FILE DRUGU
          1    FILE EMBASE
          1    FILE ESBIOBASE
  34 FILES SEARCHED...
          2    FILE FROSTI
          2    FILE FSTA
          1    FILE IFIPAT
  47 FILES SEARCHED...
          1    FILE SCISEARCH
  58 FILES SEARCHED...
          1    FILE USPATFULL
          1    FILE VETU
```

13 FILES HAVE ONE OR MORE ANSWERS,   66 FILES SEARCHED IN STNINDEX

L7   QUE L6 AND (NEOPLAST### OR ANTI-NEOPLAST### OR CANCER OR TUMOR OR TUMOUR O
       R TUMUOR OR LEUKEMIA OR LYMPHOMA OR PROLIFERATIVE OR EXTRACT#### OR LE
       AF)

```
=> d rank
F1          3     DRUGU
F2          2     DDFU
F3          2     FROSTI
F4          2     FSTA
F5          1     AGRICOLA
F6          1     CABA
F7          1     CAPLUS
F8          1     EMBASE
F9          1     ESBIOBASE
F10         1     IFIPAT
F11         1     SCISEARCH
F12         1     USPATFULL
F13         1     VETU
```

```
=> file f1-9 f11
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.60	26.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

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FILE 'DDFU' ACCESS NOT AUTHORIZED

FILE 'FROSTI' ENTERED AT 15:28:54 ON 12 MAY 2003
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FILE 'FSTA' ENTERED AT 15:28:54 ON 12 MAY 2003
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FILE 'ESBIOBASE' ENTERED AT 15:28:54 ON 12 MAY 2003
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FILE 'SCISEARCH' ENTERED AT 15:28:54 ON 12 MAY 2003
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```
=> s l7
   8 FILES SEARCHED...
L8             13 L7
```

```
=> dup rem l8
PROCESSING COMPLETED FOR L8
L9              13 DUP REM L8 (0 DUPLICATES REMOVED)
```